## **IN THE CLAIMS**

Please amend the claims as follows:

- 1. (Currently Amended) An electronic device comprising:
  - a substrate; and
- a film disposed on the substrate, the film containing atomic layer deposited LaAlO<sub>3</sub> having a predetermined amount of lanthanum and aluminum on a surface on which the film contacts.
- 2. (Original) The electronic device of claim 1, wherein the film includes Al<sub>2</sub>O<sub>3</sub> and La<sub>2</sub>O<sub>3</sub>.
- 3. (Original) The electronic device of claim 1, wherein the film is substantially amorphous.
- 4. (Original) The electronic device of claim 1, wherein the film exhibits a dielectric constant in the range from about 21 to about 25.
- 5. (Original) The electronic device of claim 1, wherein the film exhibits an equivalent oxide thickness  $(t_{eq})$  in the range from about 1.5 Angstroms to about 5 Angstroms.
- 6. (Original) The electronic device of claim 1, wherein the film exhibits an equivalent oxide thickness  $(t_{eq})$  of less than 3 Angstroms.
- 7. (Currently Amended) A transistor comprising:
  - a body region between first and second source/drain regions in a substrate;
- a film on the body region between the first and second source/drain regions, the film containing atomic layer deposited LaAlO<sub>3</sub> having a predetermined amount of lanthanum and aluminum in contact with the body region; and
  - a gate coupled to the film;
  - the film being formed by atomic layer deposition including:

pulsing a lanthanum containing precursor into a reaction chamber containing a substrate:

pulsing a first oxygen containing precursor into the reaction chamber; pulsing an aluminum containing precursor into a reaction chamber; and pulsing a second oxygen containing precursor into the reaction chamber.

- 8. (Original) The transistor of claim 7, wherein pulsing a lanthanum containing precursor into a reaction chamber includes pulsing a La(thd)3 (thd = 2,2,6,6- tetramethyl-3,5heptanedione) source gas into the reaction chamber.
- (Original) The transistor of claim 7, wherein pulsing an aluminum containing precursor 9. into the reaction chamber includes pulsing a DMEAA source gas into the reaction chamber.
- (Previously Presented) The transistor of claim 7, wherein pulsing an aluminum 10. containing precursor into the reaction chamber includes pulsing a trimethylaluminum source gas into the reaction chamber.
- (Original) The transistor of claim 7, wherein the transistor further includes: 11.
  - a floating gate situated between the body region and the gate; and
- a floating gate dielectric disposed on the floating gate, separating the floating gate and the gate, the floating gate dielectric containing atomic layer deposited LaAlO<sub>3</sub>.
- 12. (Currently Amended) A transistor comprising:
  - a body region between first and second source/drain regions in a substrate;
- a film on the body region between the first and second source/drain regions, the film containing atomic layer deposited LaAlO<sub>3</sub> having a predetermined amount of lanthanum and aluminum in contact with the body region; and
  - a gate coupled to the film.
- (Currently Amended) The transistor of claim 12, wherein the dielectric layer film 13.

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includes Al<sub>2</sub>O<sub>3</sub> and La<sub>2</sub>O<sub>3</sub>.

- 14. (Currently Amended) The transistor of claim 12, wherein the dielectric layer film is substantially amorphous.
- 15. (Currently Amended) The transistor of claim 12, wherein the dielectric layer film exhibits a dielectric constant in the range from about 21 to about 25.
- 16. (Currently Amended) The transistor of claim 12, wherein the dielectric layer film exhibits an equivalent oxide thickness (t<sub>eq</sub>) in the range from about 1.5 Angstroms to about 5 Angstroms.
- 17. (Currently Amended) The transistor of claim 12, wherein the dielectric layer  $\underline{\text{film}}$  exhibits an equivalent oxide thickness ( $t_{eq}$ ) of less than 3 Angstroms.
- 18. (Original) The transistor of claim 12, wherein the transistor further includes:
  - a floating gate situated between the body region and the gate; and
  - a floating gate dielectric disposed between the floating gate and the gate.
- 19. (Original) The transistor of claim 12, wherein the transistor further includes:
  - a floating gate situated between the body region and the gate; and
- a floating gate dielectric disposed between the floating gate and the gate, the floating gate dielectric containing atomic layer deposited LaAlO<sub>3</sub>.
- 20. (Withdrawn Currently Amended) A memory comprising:
  - a number of access transistors, each access transistor including:
    - a body region between first and second source/drain regions in a substrate;
- a film on the body region between the first and second source/drain regions, the film containing atomic layer deposited LaAlO<sub>3</sub> having a predetermined amount of lanthanum and aluminum in contact with the body region; and

a gate coupled to the film;

a number of word lines coupled to a number of the gates of the number of access transistors;

a number of source lines coupled to a number of the first source/drain regions of the number of access transistors; and

a number of bit lines coupled to a number of the second source/drain regions of the number of access transistors;

the film being formed by atomic layer deposition including:

pulsing a lanthanum containing source gas into a reaction chamber containing a substrate;

pulsing an aluminum containing source gas into a reaction chamber.

- 21. (Withdrawn) The memory of claim 20, wherein pulsing a lanthanum containing source gas into a reaction chamber includes pulsing a La(thd)3 (thd = 2,2,6,6- tetramethyl-3,5- heptanedione) source gas into the reaction chamber.
- 22. (Withdrawn) The memory of claim 20, wherein pulsing an aluminum containing source gas into the reaction chamber includes pulsing a DMEAA source gas into the reaction chamber.
- 23. (Withdrawn) The memory of claim 20, wherein pulsing an aluminum containing source gas into the reaction chamber includes pulsing a trimethylaluminum source gas into the reaction chamber.
- 24. (Withdrawn) The memory of claim 20, wherein the memory is a flash memory.
- 25. (Withdrawn) The memory of claim 20, wherein the memory is a dynamic read access memory.
- 26. (Withdrawn Currently Amended) A memory comprising:a number of access transistors, each access transistor including:

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a body region between first and second source/drain regions in a substrate;

a film on the body region between the first and second source/drain regions, the film containing atomic layer deposited LaAlO<sub>3</sub> having a predetermined amount of lanthanum and aluminum in contact with the body region; and

a gate coupled to the film;

a number of word lines coupled to a number of the gates of the number of access transistors;

a number of source lines coupled to a number of the first source/drain regions of the number of access transistors; and

a number of bit lines coupled to a number of the second source/drain regions of the number of access transistors.

- (Withdrawn-Currently Amended) The memory of claim 26, wherein the dielectric layer 27. film exhibits a dielectric constant in the range from about 21 to about 25.
- (Withdrawn-Currently Amended) The memory of claim 26, wherein the dielectric layer 28. film exhibits an equivalent oxide thickness (teq) in the range from about 1.5 Angstroms to about 5 Angstroms.
- (Withdrawn) The memory of claim 26, wherein each access transistor further includes: 29.
  - a floating gate situated between the body region and the gate; and
- a floating gate dielectric disposed between the floating gate and the gate, the floating gate dielectric containing atomic layer deposited LaAlO<sub>3</sub>.
- (Withdrawn) The memory of claim 26, wherein the memory is a dynamic read access 30. memory.
- (Withdrawn) The memory of claim 26, wherein the memory is a flash memory. 31.

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32. (Withdrawn – Currently Amended) An information handling device comprising: a processor;

a memory, the memory including:

a number of access transistors, each access transistor having:

first and second source/drain regions in a substrate;

a body region between the first and second source/drain regions;

a film on the body region between the first and second source/drain regions, the film containing atomic layer deposited LaAlO<sub>3</sub> having a predetermined amount of lanthanum and aluminum in contact with the body region; and

a gate coupled to the film;

a number of word lines coupled to a number of the gates of the number of access transistors;

a number of source lines coupled to a number of the first source/drain regions of the number of access transistors;

a number of bit lines coupled to a number of the second source/drain regions of the number of access transistors; and

a system bus that couples the processor to the memory array;

the film being formed by atomic layer deposition including:

pulsing a lanthanum containing source gas into a reaction chamber containing the substrate; and

pulsing an aluminum containing source gas into the reaction chamber.

- 33. (Withdrawn) The information handling device of claim 32, wherein pulsing a lanthanum containing source gas into a reaction chamber includes pulsing a La(thd)3 (thd = 2,2,6,6-tetramethyl-3,5-heptanedione) source gas into the reaction chamber.
- 34. (Withdrawn) The information handling device of claim 32, wherein pulsing an aluminum containing source gas into the reaction chamber includes pulsing a DMEAA source gas into the reaction chamber.

- 35. (Withdrawn) The information handling device of claim 32, wherein pulsing an aluminum containing source gas into the reaction chamber includes pulsing a trimethylaluminum source gas into the reaction chamber.
- 36. (Withdrawn) The information handling device of claim of claim 32, wherein each access transistor further includes:
  - a floating gate situated between the body region and the gate; and
  - a floating gate dielectric disposed between the floating gate and the gate.
- 37. (Withdrawn) The information handling device of claim 32, wherein the information handling device is a computer.
- 38. (Withdrawn Currently Amended) An information handling device comprising: a processor;
  - a memory, the memory including:

a number of access transistors, each access transistor having:

first and second source/drain regions in a substrate;

- a body region between the first and second source/drain regions;
- a film on the body region between the first and second source/drain regions, the film containing atomic layer deposited LaAlO<sub>3</sub> having a predetermined amount of lanthanum and aluminum in contact with the body region; and

a gate coupled to the film;

a number of word lines coupled to a number of the gates of the number of access transistors;

a number of source lines coupled to a number of the first source/drain regions of the number of access transistors; and

a number of bit lines coupled to a number of the second source/drain regions of the number of access transistors; and

a system bus that couples the processor to the memory array.

39. (Withdrawn-Currently Amended) The information handling device of claim 38, wherein the dielectric layer film exhibits a dielectric constant in the range from about 9 to about 30.

- 40. (Withdrawn-Currently Amended) The information handling device of claim 38, wherein the dielectric layer film exhibits an equivalent oxide thickness  $(t_{eq})$  in the range from about 1.5 Angstroms to about 5 Angstroms.
- 41. (Withdrawn) The information handling device of claim 38, wherein the memory is a flash memory.
- 42. (Withdrawn) The information handling device of claim 38, wherein the memory is a dynamic read access memory.
- 43. (Withdrawn) The information handling device of claim 38, wherein each access transistor further includes:
  - a floating gate situated between the body region and the gate; and
- a floating gate dielectric disposed between the floating gate and the gate, the floating gate dielectric containing atomic layer deposited LaAlO<sub>3</sub>.
- 44. (Withdrawn) The information handling device of claim 38, wherein the processor is a microprocessor.
- 45. (Withdrawn) The information handling device of claim 38, wherein the information handling device is a computer.